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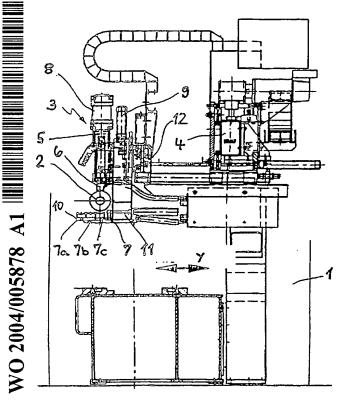
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- (81) Bestimmungsstaaten (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,

[Fortsetzung auf der nächsten Seite]

(54) Title: DEVICE AND METHOD FOR FIXING BALANCING WEIGHTS TO ROTORS, IN PARTICULAR TO ARTICULATED SHAFTS OR CARDAN SHAFTS

(54) Bezeichnung: VORRICHTUNG UND VERFAHREN ZUM BEFESTIGEN VON AUSGLEICHSGEWICHTEN AN ROTOREN, INSBESONDERE AN GELENKWELLEN ODER KARDANWELLEN



- (57) Abstract: The invention relates to a device (3) for fixing balancing weights to rotors (2) comprising several balancing planes, in particular to articulated shafts or cardan shafts, preferably in a balancing machine (1). Said balancing machine has at least one gripper-type device (5), which can be positioned along the length of the rotor axis and is used to place a balancing weight on the outer periphery of the rotor (2) and to fix it there. The aim of the invention is to simplify the application of the balancing weights and make said application more cost-effective. To achieve this, the gripper-type device (5) is configured to receive several balancing weights.
- (57) Zusammenfassung: Bei einer Vorrichtung (3) zum Befestigen von Ausgleichsgewichten an Rotoren (2) mit mehreren Ausgleichsebenen, insbesondere an Gelenkwellen oder Kardanwellen, vorzugsweise in einer Auswuchtmaschine (1), die zumindest eine längs der Rotorachse positibnierbare zangenartige Einrichtung (5) aufweist, mit der ein Ausgleichsgewicht am Außenumfang des Rotors (2) plazierbar und dort befestigbar ist, wird zur Vereinfachung und zur kostengünstigeren Applikation der Ausgleichsgewichte vorgeschlagen, die zangenartige Einrichtung (5) zur Aufnahme von mehreren Ausgleichsgewichten auszubilden.

# INTERNATIONAL SEARCH REPORT

PCT/D Application No

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01M1/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01M F16F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

0. 0000	NTS CONSIDERED TO BE RELEVANT	····
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	PATENT ABSTRACTS OF JAPAN vol. 011, no. 044 (M-560), 10 February 1987 (1987-02-10) & JP 61 209780 A (DENGENSHA MFG CO LTD), 18 September 1986 (1986-09-18) abstract; figures 1-7	1,2,8
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X Further documents are listed in the continuation of box C.	Y Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the International filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>*T* later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search  22 October 2003	Date of mailing of the international search report $05/11/2003$
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NI. – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Fritzen, C

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